

What Is Claimed Is:

1. A device for waking up users of a bus system, comprising:
a detection device for detecting at least one predefined signal feature of signals transmitted on the bus system and for initiating a further wake-up procedure once a preselected number with respect to the signal feature has been reached.
2. The device according to claim 1, wherein the detection device includes a counter.
3. The device according to claim 1, wherein the at least one signal feature includes at least one of an edge and an edge change of a signal.
4. The device according to claim 1, wherein the at least one signal feature includes at least one of a signal level and a preselected combination of a plurality of signal levels.
5. A user of a bus system comprising:
a detection device for detecting at least one predefined signal feature of signals transmitted on the bus system and for initiating a further wake-up procedure once a preselected number with respect to the signal feature has been reached.
6. The user according to claim 5, wherein the detection device includes a counter.
7. A method for waking up users of a bus system, the method comprising:
detecting at least one preselected signal feature of signals transmitted on the bus system; and
initiating a further wake-up procedure once a predefined number with respect to the signal feature has been reached.

8. The method according to claim 7, further comprising transmitting any message and evaluating the message as a wake-up message in that a corresponding signal feature is detected and evaluated from the message.
9. The method according to claim 7, further comprising determining a time duration when the signal feature occurs for a first time.
10. The method according to claim 7, wherein binary information results from a time duration following a first occurrence of the signal feature.
11. The method according to claim 7, further comprising transmitting a message and evaluating the message as a wake-up message, retransmitting the message following an initiation of the further wake-up procedure, and determining therefrom which users or user groups are to be selectively awakened fully.